

## Environmental Protection Agency

§ 421.186

### PSES FOR THE PRIMARY AND SECONDARY GERMANIUM AND GALLIUM SUBCATEGORY—Continued

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
Fluoride .....	461.000	262.100

#### (c) Germanium hydrolysis filtrate.

### PSES FOR THE PRIMARY AND SECONDARY GERMANIUM AND GALLIUM SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of germanium hydrolyzed	
Arsenic .....	39.440	17.550
Lead .....	7.925	3.774
Zinc .....	27.550	11.510
Fluoride .....	660.500	375.500

#### (d) Acid wash and rinse water.

### PSES FOR THE PRIMARY AND SECONDARY GERMANIUM AND GALLIUM SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of germanium washed	
Arsenic .....	325.50	144.80
Lead .....	65.40	31.14
Zinc .....	227.40	94.99
Fluoride .....	5,450.00	3,099.00

#### (e) Gallium hydrolysis filtrate.

### PSES FOR THE PRIMARY AND SECONDARY GERMANIUM AND GALLIUM SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of gallium hydrolyzed	
Arsenic .....	70.450	31.350
Lead .....	14.160	6.742
Zinc .....	49.220	20.560
Fluoride .....	1,180.000	670.800

#### (f) Solvent extraction raffinate.

### PSES FOR THE PRIMARY AND SECONDARY GERMANIUM AND GALLIUM SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of gallium produced by solvent extraction	
Arsenic .....	39.330	17.500
Lead .....	7.904	3.764
Zinc .....	27.480	11.480
Fluoride .....	658.700	374.500

### § 421.186 Pretreatment standards for new sources.

Except as provided in 40 CFR 403.7, any new source subject to this subpart which introduces pollutants into a publicly owned treatment works must comply with 40 CFR part 403 and achieve the following pretreatment standards for new sources. The mass of wastewater pollutants in primary and secondary germanium and gallium process wastewater introduced into a POTW shall not exceed the following values:

#### (a) Still Liquor.

### PSNS FOR THE PRIMARY AND SECONDARY GERMANIUM AND GALLIUM SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of germanium chlorinated	
Arsenic .....	131.70	58.59
Lead .....	26.46	12.60
Zinc .....	91.98	38.43
Fluoride .....	2,205.00	1,254.00

#### (b) Chlorinator Wet Air Pollution Control.

### PSNS FOR THE PRIMARY AND SECONDARY GERMANIUM AND GALLIUM SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of germanium chlorinated	
Arsenic .....	27.530	12.250
Lead .....	5.531	2.634
Zinc .....	19.230	8.034
Fluoride .....	461.000	262.100

#### (c) Germanium Hydrolysis Filtrate.

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**PSNS FOR THE PRIMARY AND SECONDARY  
GERMANIUM AND GALLIUM SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly aver- age
	mg/kg (pounds of hydrolyzed	per/million germanium
Arsenic .....	39.440	17.550
Lead .....	7.925	3.774
Zinc .....	27.550	11.510
Fluoride .....	660.500	375.500

(d) Acid Wash and Rinse Water.

**PSNS FOR THE PRIMARY AND SECONDARY  
GERMANIUM AND GALLIUM SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds of washed	per/million germanium
Arsenic .....	325.50	144.80
Lead .....	65.40	31.14
Zinc .....	227.40	94.99
Fluoride .....	5,450.00	3,099.00

(e) Gallium Hydrolysis Filtrate.

**PSNS FOR THE PRIMARY AND SECONDARY  
GERMANIUM AND GALLIUM SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly aver- age
	mg/kg (pounds per million pounds) of gallium hydrolyzed	
Arsenic .....	70.450	31.350
Lead .....	14.160	6.742
Zinc .....	49.220	20.560
Fluoride .....	1,180.000	670.800

(f) Solvent Extraction Raffinate.

**PSNS FOR THE PRIMARY AND SECONDARY  
GERMANIUM AND GALLIUM SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly aver- age
	mg/kg (pounds per million pounds) of gallium pro- duced by solvent extraction	
Arsenic .....	39.330	17.500
Lead .....	7.904	3.764
Zinc .....	27.480	11.480
Fluoride .....	658.700	374.500

**40 CFR Ch. I (7–1–06 Edition)**

**§ 421.187 [Reserved]**

**Subpart Q—Secondary Indium  
Subcategory**

SOURCE: 50 FR 38353, Sept. 20, 1985, unless otherwise noted.

**§ 421.190 Applicability: Description of  
the secondary indium subcategory.**

The provisions of this subpart are applicable to discharges resulting from the production of indium at secondary indium facilities processing spent electrolyte solutions and scrap indium metal raw materials.

**§ 421.191 Specialized definitions.**

For the purpose of this subpart the general definitions, abbreviations, and methods of analysis set forth in 40 CFR part 401 shall apply to this subpart.

**§§ 421.192–421.193 [Reserved]**

**§ 421.194 Standards of performance for  
new sources.**

Any new source subject to this subpart shall achieve the following new source performance standards:

(a) Displacement Supernatant.

**NSPS FOR THE SECONDARY INDIUM  
SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly aver- age
	mg/kg (pounds per million pounds) of indium metal produced	
Cadmium .....	2.105	0.929
Lead .....	2.600	1.238
Zinc .....	9.037	3.776
Indium .....	2.724	1.114
Total suspended solids .....	253.800	120.700
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Within the range of 7.5 to 10.0 at all times.

(b) Spent Electrolyte.

**NSPS FOR THE SECONDARY INDIUM  
SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly aver- age
	mg/kg (pounds per million pounds) of cathode indium produced	
Cadmium .....	12.170	5.370
Lead .....	15.040	7.160